



## Earthquake Hazards Program

### Database Search

#### Complete Report for Unnamed faults of Cactus Flat (Class A) No. 1091

[Brief Report](#) || [Partial Report](#)

*citation for this record:* Anderson, R. Ernest, compiler, 1998, Fault number 1091, Unnamed faults of Cactus Flat, in Quaternary fault and fold database of the United States: U.S. Geological Survey website, <http://earthquakes.usgs.gov/regional/qfault> accessed 05/20/2011 09:27 AM.

**Synopsis** The unnamed faults of Cactus Flat are marked by scattered, generally weakly expressed, discontinuous, small scarps and lineaments on Quaternary deposits, and they are distributed in an area about 35x10 km in Cactus Flat. They were mapped photogeologically as cutting Quaternary and Tertiary deposits and previously named the Cactus Flat-Mellon fault. However, only the faults interpreted to cut Quaternary deposits are shown here; the others are poorly understood intrabasin features.

**Name comments** These unnamed faults in Cactus Flat are expressed by generally north-striking, widely distributed, generally weakly expressed, short scarps and lineaments; they were mapped by Reheis (1992 #1604). These faults were referred to by Piety (1995 #915) as the Cactus Flat-Mellon fault, but that name is abandoned here because there is no association of these widely distributed faults with the small town of Mellon, or with any topographic feature other than Cactus Flat. These faults are not shown on a photogeologic map (1:250,000 scale) of Quaternary faults of Dohrenwend and others (1992 #289). These faults are also not shown in geologic maps (Ekren and others, 1950; Cornwall, 1972 #1482). As shown by Reheis (1992 #1604), this north-striking zone of faults extends discontinuously from the north flank of the Gabbard Hills, northward across Cactus Flat to the piedmont slope of the southwest flank of the Kawich Range.

#### **Fault ID Comments:**

Referred to as CFML by Piety (1995 #915).

**County(s) and State(s)** NYE COUNTY, NEVADA

**AMS sheet(s)** [Goldfield](#)

**Physiographic province(s)** BASIN AND RANGE

**Reliability of** Good

**location** Compiled at 1:100,000 scale.

*Comments:* Location is from Reheis (1992 #1604) and based on photogeologic mapping on 1:60,000 and 1:100,000 scale aerial photographs compiled on a 100,000 scale topographic map.